

IN THE CLAIMS

Please amend the claims to read as follows:

Listing of Claims

1-33 (Canceled).

34. (New) A coding apparatus comprising:

a CRC attachment unit that attaches a CRC-bit to a plurality of transport blocks;

a concatenating unit that concatenates the transport blocks having the CRC-bit to provide a concatenated transport block;

a code block segmentation unit that segments the concatenated transport block into code blocks; and

an error correcting coding unit that encodes each of the code blocks,

wherein said code block segmentation unit adds at least one predetermined bit to the beginning of one of the code blocks.

35. (New) A coding apparatus comprising:

a CRC attachment unit that attaches a CRC-bit to a plurality of transport blocks;

a concatenating unit that concatenates the transport blocks having the CRC-bit to provide a concatenated transport block;

a code block segmentation unit that segments the concatenated transport block into code blocks; and

an error correcting coding unit that encodes each of the code blocks,

wherein said code block segmentation unit adds at least one predetermined bit to the beginning of one of said code blocks, when a number of bits of the concatenated transport block is not an integer multiple of a number of the code blocks.

36. (New) A coding apparatus comprising:

a CRC attachment unit that attaches a CRC-bit to a plurality of transport blocks;

a concatenating unit that concatenates the transport blocks having the CRC-bit to provide a concatenated transport block;

a code block segmentation unit that segments the concatenated transport block into code blocks; and

an error correcting coding unit that encodes each of the code blocks,

wherein said code block segmentation unit adds at least one predetermined bit to the beginning of one of the code blocks so as to make the code blocks the same size.

37. (New) The coding apparatus according to claim 34, wherein said at least one predetermined bit is 0.

38. (New) The coding apparatus according to claim 35, wherein said at least one predetermined bit is 0.

39. (New) The coding apparatus according to claim 36,

wherein said at least one predetermined bit is 0.

40. (New) A mobile station apparatus comprising the coding apparatus of claim 34.

41. (New) A mobile station apparatus comprising the coding apparatus of claim 35.

42. (New) A mobile station apparatus comprising the coding apparatus of claim 36.

43. (New) A base station apparatus comprising the coding apparatus of claim 34.

44. (New) A base station apparatus comprising the coding apparatus of claim 35.

45. (New) A base station apparatus comprising the coding apparatus of claim 36.

46. (New) A coding method comprising the steps of:
attaching a CRC-bit to a plurality of transport blocks;
concatenating the transport blocks having the CRC-bit to
provide a concatenated transport block;
segmenting the concatenated transport block into code

blocks; and

performing error correcting coding on each of the code blocks,

wherein said segmenting step includes adding at least one predetermined bit to the beginning of one of the code blocks.

47. (New) A coding method comprising the steps of:
attaching a CRC-bit to a plurality of transport blocks;
concatenating the transport blocks having the CRC-bit to provide a concatenated transport block;

segmenting the concatenated transport block into code blocks; and

performing error correcting coding on each of the code blocks,

wherein said segmenting step includes adding at least one predetermined bit to the beginning of one of the code blocks, when a number of bits of the concatenated transport block is not an integer multiple of a number of the code blocks.

48. (New) A coding method comprising the steps of:
attaching a CRC-bit to a plurality of transport blocks;
concatenating the transport blocks having the CRC-bit to provide a concatenated transport block;

segmenting the concatenated transport block into code blocks; and

performing error correcting coding on each of the code blocks,

wherein said segmenting step includes adding at least one predetermined bit to the beginning of one of the code blocks so as to make the code blocks the same size.

49. (New) The coding method according to claim 46, wherein said at least one predetermined bit is 0.

50. (New) The coding method according to claim 47, wherein said at least one predetermined bit is 0.

51. (New) The coding method according to claim 48, wherein said at least one predetermined bit is 0.